

ABSTRACT OF THE DISCLOSURE

**METHOD AND SYSTEM FOR PROVIDING A FLEXIBLE
TEMPERATURE DESIGN FOR A COMPUTER SYSTEM**

A method and system for providing correct operational parameters for up-level design components utilized within a computer system after a low level basic input/output system (BIOS) code has been qualified. A patch file is created or obtained for a component that is added to a computer system after a BIOS code has been qualified for the computer system. The patch file includes the operating parameters (or profiles) of the component. The flash module is designed with a memory block reserved for holding data from the patch file, which can be updated independently of the rest of the flash module. The Advance Configuration Program Interface (ACPI) or advanced power management (APM) code of the computer system is modified to dynamically read the parameters from this memory block and update their respective functions accordingly. During set up of the computer system, the patch file is flashed into the reserved block of the flash module. The data is merged by the FLASH utility into the existing BIOS so that the computer system has the correct parameters for the particular component.